Cat. No. ER-181

TINNIT contents makes ½ gallon

This package is for INDUSTRIAL USE ONLY!

TINNIT is a carefully formulated electroless tin plating solution. It will deposit a bright tin plate on properly cleaned and dried printed circuit boards. The prepared solution has a life of about 6 months when stored in a glass or plastic container that is tightly sealed with a non-metallic cap.

WARNING! THIS PRODUCT CONTAINS ACIDIC TIN SALTS. Although it contains no cyanides or other highly poisonous materials, it is a skin and eye irritant. The following precautions should be observed: AVOID SKIN OR EYE CONTACT. In case of contact, flush immediately with plenty of running water. DO NOT EAT OR DRINK THESE CHEMICALS OR THE SOLUTION. In case of accidental ingestion, drink plenty of water. Do not induce vomiting. Call a physician. DO NOT EXPOSE THE DRY SALTS TO AN OPEN FLAME OR HEAT OVER 150C (302F). This can occur if a solution is left to evaporate unattended on a stove or hotplate. Overheated dry salts can decompose and release irritating sulfur dioxide and ammonia gases.

DIRECTIONS:

1. Dissolve the contents of both packages in 3 pints of hot water (55C, 131F) . Add additional water to make ½ gallon. Store in a non-metallic container with plastic cap.
2. Prepare circuit board for plating by removing all traces of resist with acetone, lacquer thinner or DATAKOAT thinner. If oxides are present, clean the circuit pattern with scouring powder. Do not use soap or steel wool. Remove all cleanser residue by washing in plenty of clean water. It is imperative to remove all traces of cleansers and etch salts. Residues will contaminate your plating bath and reduce it's life.
3. Place the solution in a Pyrex tray and heat to between 120 and 140 F. Immerse the board between 10 and 30 minutes. Agitate at 5 minute intervals. A bright tin plate should result.
4. Plated parts must be thoroughly washed and dried in a mild alkaline solution such as ammonia and water. Failure to perform this step can cause chemical corrosion.

TINNIT solution will develop an off white precipitate upon standing at room temperature. This is normal. The precipitate will dissolve when the solution is heated for reuse.

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